Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/17/2017 10:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124150	-1	1.65	124005	1.62
Blue	F	SSC	125000	124625	-1	2.91	125028	2.70
Blue	E	FITC	23795	23036	-4	2.61	1028	10.51
Blue	D	PE	29673	29200	-2	2.21	1049	9.92
Blue	B	PerCP-Cy5-5	48943	48231	-2	3.49	1387	17.42
Blue	A	PE-Cy7	44112	43710	-1	5.17	675	36.34
Red	C	APC	54273	53491	-2	2.70	3082	9.43
Red	A	APC-Cy7	54945	54005	-2	2.69	1118	11.29
Violet	B	V450	15756	15074	-5	3.52	722	8.73
Violet	A	V500	62569	61415	-2	3.29	2719	6.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19633	3.74	612	-2	N/A	N/A	Pass
Blue	F	SSC	61990	1.56	547	1	N/A	N/A	Pass
Blue	E	FITC	115	39.20	549	-1	0.0197	141	Pass
Blue	D	PE	230	28.97	547	1	0.1557	230	Pass
Blue	B	PerCP-Cy5-5	217	46.11	638	-1	0.0094	88	Pass
Blue	A	PE-Cy7	71	126.30	695	-4	0.0114	19	Pass
Red	C	APC	361	27.74	599	-1	0.0204	80	Pass
Red	A	APC-Cy7	123	40.56	577	-7	0.0054	1507	Pass
Violet	B	V450	87	40.58	470	-2	0.0454	1640	Pass
Violet	A	V500	198	22.07	498	-1	0.0147	337	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.65	-31.06	0.92
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.46	13.27 - 19.91	N/A	N/A	31.00	31.51	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 12249

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments